<u>**AMENDMENTS TO THE CLAIMS**</u>

The listing of claims will replace all prior versions and listings of claims in the application:

1.   **(Currently Amended)**   A computer program product located to one or more storage media devices usable to perform integration of mixed format data, said computer program product comprising instructions executable by a computer to perform the functions of:

accessing a database of structured and <u>unstructured</u> data,

reading customer records from said database, a record including a structured data portion and a free text portion;

linguistically parsing the identified ~~text records~~ <u>free text portions in the customer records</u> to generate a linguistic parse <u>that includes at least syntactic roles in the free text portions</u>;

identifying thematic roles and relationships within the parsed ~~text~~ records <u>based in part on the identified syntactic roles, wherein the identification of thematic roles and relationships maps the syntactic roles to a smaller set of categories for each grammatical permutation of the identified text portions</u>;

applying caseframes to the linguistic parse and thematic <u>roles and relationships</u> ~~identifications producing~~ <u>to produce</u> attribute extractions, each of said attribute extractions containing attribute information of the <u>free text portions;</u> ~~derived source text;~~

integrating the extractions with the structured data, said integrating step producing integrated data; and

rendering at least one visual representation of the integrated data.

2.   **(Currently Amended)**   A computer program product according to claim 1, wherein said accessing <u>the database of structured and</u> ~~a source of~~ unstructured data <u>comprises accessing</u> ~~accesses~~ unstructured data contained within the ~~database of~~ structured data.

3.   **(Currently Amended)**   A computer program product according to claim 1, wherein said accessing <u>a database of structured and</u> ~~a source of~~ unstructured data ~~and said accessing a database of structured data access~~ <u>comprises accessing</u> two separate data sources.

4.   **(Currently Amended)**   A computer program product according· to claim 1, wherein said instructions are further executable to perform the function of applying caseframes while <u>linguistically parsing the identified free text portions.</u> ~~performing said interpreting the free text.~~

5.   **(Original)**   A computer program product according to claim 1, wherein said instructions are further executable to perform the function of producing a new database containing the integrated data produced by said integrating.

6.   **(Currently Amended)**   A computer program product according to claim 1, wherein said instructions are further executable to perform the function of inserting the integrated data into the database of structured <u>and unstructured</u> data while performing said integrating <u>the extractions with the structured data.</u> ~~of the integrated data.~~

7.   **(Previously Presented)**   A computer program product according to claim 1, wherein said instructions are further executable to perform the function of creating a new database while performing said integrating step.

8.   **(Original)**   A computer program product according to claim 7, wherein the instructions are further executable to produce a new relational database containing the integrated data produced by said integrating.

9. **(Original)** A computer program product according to claim 7, wherein the instructions are further executable to produce a file containing the integrated data produced by said integrating.

10. **(Original)** A computer program product according to claim 9, wherein the instructions are further executable to produce a file having a format selected from the group of XML, character separated values, spreadsheet formats and file-based database structures.

11. **(Original)** A computer system including a computer program product according to claim 1, further comprising: a processing unit coupled to said one or more storage media devices, said processing unit being capable of executing said instructions; and an execution command unit, whereby operation of said instructions and said processing unit may be commanded or controlled.

12. **(Previously Presented)** A computer program product according to claim 1, wherein said instructions are further executable to store an integrated database while performing said integrating step.

13. **(Currently Amended)** A computer program product according to claim 1, wherein the integrated data produced by the performance of said integrating step includes reference information to the original free text ~~for construed data~~.

14. **(Currently Amended)** A computer program product according to claim 1 wherein said instructions are further executable to provide the functions of: accepting a user indication to make a selection to drill down in [[a]] the rendering of the at least one [[a]] visual representation of the integrated data; displaying the original free text portion referenced by the included reference information of the data selected by the user.

15. **(Currently Amended)** A computer program product located to one or more storage media devices usable to perform integration of mixed format data, said computer program product comprising instructions executable by a computer to perform the functions of:

accessing a database of structured data and unstructured data that is related to the structured data, the unstructured data including free text;

linguistically parsing the free text from said database to generate a linguistic parse that includes at least syntactic roles;

identifying thematic roles and relationships within the linguistic parse, wherein the thematic roles identify relationships existing in the free text and removes certain grammatical information from the syntactic roles; ~~parsed text~~;

applying caseframes ~~to the linguistic parse and applying thematic identifications~~ to the thematic roles and relationships to produce attribute extractions, each of said attribute extractions containing attribute information of the parsed free text;

integrating the extractions with the structured data, said integrating step producing integrated data;

providing the integrated data to a data visualization application.

16. **(Currently Amended)** A computer program product according to claim 15, wherein said accessing ~~a source of~~ a database of structured data and unstructured data ~~accesses~~ comprises accessing unstructured data contained within the database of structured data.

17. **(Currently Amended)** A computer program product according to claim 15, wherein said accessing ~~a source of,~~ a database of structured data and unstructured data ~~and said accessing a database of structured data~~ comprises accessing ~~access~~ two separate data sources.

18.   **(Currently Amended)**   A computer program product according to claim 15, wherein said instructions are further executable to perform the function of applying caseframes while ~~identifying thematic roles and relationships.~~ identifying thematic roles and relationships. ~~performing said interpreting the free text.~~

19.   **(Original)**   A computer program product according to claim 15, wherein said instructions are further executable to perform the function of producing a new database containing the integrated data produced by said integrating.

20.   **(Currently Amended)**   A computer program product according to claim 15, wherein said instructions are further executable to perform the function of inserting the ~~produced~~ integrated data into the database of structured data while performing said integrating function.

21.   **(Previously Presented)**   A computer program product according to claim 15, wherein said Instructions are further executable to perform the function of creating a new database while performing said integrating step.

22.   **(Previously Presented)**   A computer program product according to claim 21, wherein the instructions are further executable to produce a new relational database containing the integrated data.

23.   **(Original)**   A computer program product according to claim 21, wherein the instructions are further executable to produce a file containing the integrated data produced by said integrating.

24.   **(Original)**   A computer program product according to claim 21, wherein the instructions are further executable to produce a file having a format

selected from the group of XML, character separated values, spreadsheet formats and file-based database structures.

25. **(Original)** A computer system including a computer program product according to claim 15, further comprising: a processing unit coupled to said one or more storage media devices, said processing unit being capable of executing said instructions; and an execution command unit, whereby operation of said instructions and said processing unit may be commanded or controlled.

26. **(Previously Presented)** A computer program product according to claim 15, wherein said instructions are further executable to store an integrated database while performing said integrating step.

27. **(Previously Presented)** A computer program product according to claim 15, wherein the integrated data produced by the performance of said integrating includes reference information to the original free text.

28.   **(Currently Amended)**   A method for integrating mixed format data, comprising the steps of:

accessing <u>a</u> database of structured and unstructured data, the unstructured data including free text and the free text relating to the structured data;

linguistically parsing free text from said unstructured data <u>to identify syntactic roles in the free text</u>;

identifying thematic roles and relationships within the parsed <u>free</u> text<u>, the thematic roles and relationships establishing a relationship between a portion of the free text and at least one action included in the free text</u>;

applying caseframes and thematic identifications to the linguistic parse to produce attribute extractions, each of said attribute extractions containing attribute information of the parsed <u>free</u> text;

integrating the <u>attribute extractions with the</u> structured data <u>to produce integrated data</u>; and

rendering at least one visual representation of the integrated data.

29.   **(Currently Amended)** A method according to claim 28, wherein said accessing <s>a source of</s> <u>the database of structured and</u> unstructured data <s>accesses</s> <u>comprises accessing</u> unstructured data contained within the database of structured data.

30.   **(Currently Amended)** A method according to claim 28, wherein said accessing <s>a source of</s> <u>a database of structured and</u> unstructured data <s>and said</s> <u>comprises</u> accessing a database of structured data access two separate data sources.

31.   **(Cancelled)**

32.   **(Original)**   A method according to claim 28, further comprising the step of producing a new database containing the integrated data produced by said integrating.

33.   **(Original)**   A method according to claim 28, further comprising the step of inserting the produced data into the database of structured data.

34.   **(Original)**   A method according to claim 28 further comprising the step of creating a new database.

35.   **(Original)**   A method according to claim 34, wherein the new database is a relational database.

36.   **(Original)**   A method according to claim 34, wherein new database includes at least one file containing the integrated data produced by said integrating.

37.   **(Original)**   A method according to claim 36, wherein the new database has a format selected from the group of XML, character separated values, spreadsheet formats and file-based database structures.

38.   **(Currently Amended)**   A method according to claim 28, wherein said step of integrating the <u>attribute extractions with the structured data</u> ~~produced data~~ stores <u>the integrated data as</u> an integrated database.

39.   **(Currently Amended)**   A method according to claim 28, wherein the integrated data ~~produced by the performance of said integrating the produced data~~ includes reference information to the original free text.

40.   **(Original)**   A method according to claim 39, further comprising the steps of: accepting a user indication to make a selection to drill down in a rendering of a visual representation of the integrated data; displaying the original free text referenced by the included reference information of the data selected by the user.